

MATERIAL SAFETY DATA SHEET

RAIN-X® BUG REMOVER PREMIUM WASHER FLUID

1. PRODUCT AND COMPANY IDENTIFICATION

MSDS Number: 25977

Version Date: 02/10/03

Product Name: RAIN-X® BUG REMOVER PREMIUM WASHER FLUID

Product Use: Windshield washer

Synonyms: BHRX68800

Company Information

SOPUS Products
P.O. Box 4453
Houston, TX 77210-4453
USA

Phone Numbers

Medical Emergency: 1-800-546-6040
Transportation Emergency (USA): 1-800-424-9300
Transportation Emergency (International):
1-703-527-3887 (Call collect)
MSDS Assistance: 1-800-546-6227
Fax On Demand: 1-800-546-6227
Technical Assistance: 1-800-416-1600
Customer Service: 1-800-416-1600
Fax Number: 713-217-3181
Internet Address: www.MSDS.PZLQS.com

2. COMPONENT INFORMATION

Component	CAS No.	Weight Percent Range	Hazardous in Blend
WATER	7732-18-5	90 - 95	No
METHYL ALCOHOL	67-56-1	< 6	Yes
BUTYL CELLOSOLVE	111-76-2	1 - 5	Yes
SILOXANES AND SILICONES	MIXTURE	< 1	No

This product meets the definition of a hazardous chemical when evaluated according to the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Hazards:

Flammable/Combustible X **Acute Toxin** X **Chronic Toxin** **Carcinogen**
Pressure **Reactive** **Exposure Limit** X **Target Organ** **Other**

Other: No information available

3. HAZARDS IDENTIFICATION

Emergency and Hazards Overview

DANGER: (SKULL AND CROSSBONES SYMBOL) POISON! MAY BE FATAL OR CAUSE BLINDNESS IF SWALLOWED. COMBUSTIBLE.

NFPA Ratings: Health 1 Flammability 2 Reactivity 0

Primary Route of Exposure: Skin X Inhalation Eye

Health Effect Information

Eye Contact: Avoid eye contact. May be irritating to the eyes upon direct contact. See Section 11 - Toxicological Information.

Skin Contact: Avoid skin contact. Single, short exposures, as expected with consumer use of this product, are expected to be practically non-irritating to the skin. Prolonged or repeated skin contact may result in dryness, chapping, and reddening. May be absorbed through skin. See Section 11 - Toxicological Information.

Inhalation: Avoid inhalation of mists or vapors. Exposure to mist/vapors may be irritating to respiratory tract. See Section 11 - Toxicological Information.

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Ingestion: Do not ingest. Ingestion of large quantities may be harmful. Can cause central nervous system (CNS) depression if ingested. Can cause reversible or permanent blindness. Ingestion may result in lung aspiration. Aspiration may lead to chemical pneumonitis which is characterized by pulmonary edema and hemorrhage and may be fatal. Signs of lung involvement include increased respiratory rate, increased heart rate, and a bluish discoloration of the skin. Coughing, choking, and gagging are often noted at the time of aspiration.

Medical Conditions Aggravated by Exposure: Drying and chapping may make the skin more susceptible to other irritants, sensitizers and disease.

Other: This product contains a low concentration of methyl alcohol. Although effects of methyl alcohol are indicated on this MSDS, such effects are not expected with consumer use of this product.

4. FIRST AID INFORMATION

Eye Contact: Immediately flush eyes with large amounts of water and continue flushing until irritation subsides. If irritation persists, seek medical attention.

Skin Contact: Remove contaminated clothing. Wash contaminated area thoroughly with soap and water. If redness or irritation occurs, seek medical attention.

Inhalation: This material has a low vapor pressure and is not expected to present an inhalation exposure at ambient conditions.

Ingestion: If large quantity is ingested and if person is conscious, give large quantities of water immediately. Seek immediate medical attention. If vomiting occurs lower head below knees to avoid aspiration.

Notes to Physician: Immediate medical treatment is imperative, especially if a large dose has been ingested.

Other: No information available

5. FIRE AND EXPLOSION INFORMATION

Flammable Properties

Flash Point: 145 F, 62.8 C

Test Method: ASTM D-56 (T.C.C.)

Flammable Limits in Air

Upper Percent: 36%

Lower Percent: 6%

Autoignition Temperature: No data available

Test Method: No information available

NFPA Classification: Water-based product - not applicable

Extinguishing Media: This material is nonflammable.

Fire Fighting Measures

Special Fire Fighting Procedures and Equipment: This material is nonflammable.

Unusual Fire and Explosion Conditions: Carbon monoxide, carbon dioxide, and other oxides may be generated as products of combustion. This product is a mixture of water and a water miscible alcohol, and does not present a significant flammability hazard when used by consumers.

Hazardous Combustion By-Products: No information available

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Other: No information available

6. ACCIDENTAL RELEASE MEASURES

Personnel Safeguards: None required

Regulatory Notifications: No notification required

Containment and Clean up: No special cleanup procedures are necessary.

Other: No information available

7. HANDLING AND STORAGE INFORMATION

Handling: No special handling procedures are necessary.

Storage: Store in a cool, well ventilated area in closed containers away from heat, sparks, open flame or oxidizing materials. Do not transfer to unmarked containers.

Empty Container Warnings

Drums: Not applicable

Plastic: Do not reuse this container. Empty container may retain product residues.

Other: No information available

8. EXPOSURE CONTROLS / PERSONAL PROTECTION INFORMATION

Exposure Limits and Guidelines

Component	CAS No.	Exposure Limit
METHYL ALCOHOL	67-56-1	OSHA - PEL: TWA 200 ppm ACGIH - TLV: TWA 200 ppm ACGIH - TLV: STEL 250 ppm
BUTYL CELLOSOLVE	111-76-2	OSHA - PEL: TWA 50 ppm ACGIH - TLV: TWA 25 ppm

Personal Protective Equipment

Eye/Face Protection: Eye protection is not required under conditions of normal use.

Skin Protection: Skin protection is not required under conditions of normal use.

Respiratory Protection: Respiratory protection is not required under conditions of normal use.

Personal Hygiene: Always wash hands and face with soap and water before eating, drinking, or smoking. Consumption of food and beverage should be avoided in work areas where hydrocarbons are present.

Engineering Controls / Work Practices

Ventilation: General room ventilation is normally sufficient.

Other: No information available

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Green	
Odor: Alcohol	Vapor Pressure: No data available
Physical state: Liquid	Vapor Density (air=1): No data available
pH: 7.8 - 7.8	Percent Volatile by Volume: No data available
Boiling Point: No data available	Volatile Organic Content: No data available
Melting Point: No data available	Molecular Weight: No data available
Specific Gravity: 0.99	Average Carbon Number: No data available
Pour Point: No data available	Viscosity @ 100 F: No data available
	Viscosity @ 40 C: No data available
Solubility in Water: Completely soluble in water	
Octanol / Water Coefficient: Log K_{ow} = No data available	

10. STABILITY AND REACTIVITY INFORMATION

Chemical Stability: Stable

Conditions to Avoid: Keep away from heat, sparks, open flames and other ignition sources.

Incompatible Materials to Avoid: Strong oxidizers, strong acids. Strong bases.

Other: No information available

11. TOXICOLOGICAL INFORMATION

Primary Eye Irritation: Moderate in Draize test in rabbits (methanol).

Primary Skin Irritation: Moderate irritation in Draize test in rabbits (methanol).

Acute Dermal Toxicity: No information available.

Subacute Dermal Toxicity: No information available.

Dermal Sensitization: No information available.

Inhalation Toxicity: LC50 (rat) = 64,000 ppm (4 hours) (methanol)

Inhalation Sensitization: No information available.

Oral Toxicity: LD50 (rat) = 5628 mg/kg (methanol)

Mutagenicity: No information available.

Carcinogenicity: No information available

Reproductive and Developmental Toxicity: No information available.

Teratogenicity: No information available.

Immunotoxicity: No information available.

Neurotoxicity: No information available.

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Other: No information available

12. ECOLOGICAL INFORMATION

Aquatic Toxicity: No information available.

Terrestrial Toxicity: No information available.

Chemical Fate and Transport: No information available.

Other: No information available.

13. DISPOSAL INFORMATION

Regulatory Information: Dispose of residual products and empty containers responsibly.

Waste Disposal Methods: Waste material may be landfilled or incinerated at an approved facility.
Materials should be recycled if possible.

Other: No information available.

14. TRANSPORTATION INFORMATION

U.S. Department of Transportation (DOT)

Highway / Rail (Bulk): Not Regulated

Highway / Rail (Non-Bulk): Not Regulated

The DOT description is provided to assist in the proper shipping classification of this product and may not be suitable for all shipping descriptions.

International Information

Vessel: IMDG Regulated: _____ **IMDG Not Regulated:** X

Air: ICAO Regulated: _____ **ICAO Not Regulated:** X

Other: No information available

15. Regulatory Information

Regulatory Lists Searched: The components listed in Section 2 of this MSDS were compared to substances that appear on the following regulatory lists. Each list is numerically identified. See **Regulatory Search Results** below.

Health & Safety: 10 - IARC carcinogen, 11 - NTP carcinogen, 12 - OSHA carcinogen, 15 - ACGIH TLV, 16 - OSHA PEL, 17 - NIOSH exposure limit, 20 - US DOT Appendix A, Hazardous substances, 22 - FDA 21 CFR Total food additives, 23 - NFPA 49 or 325

Environmental: 30 - CAA 1990 Hazardous air pollutants, 31 - CAA Ozone depleters, 33 - CAA HON rule, 34 - CAA Toxic substance for accidental release prevention, 35 - CAA Volatile organic compounds (VOC's) in SOCM, 41 - CERCLA / SARA Section 302 extremely hazardous substances, 42 - CERCLA / SARA Section 313 emissions reporting, 43 - CWA Hazardous substances, 44 - CWA Priority pollutants, 45 - CWA Toxic pollutants, 46 - EPA Proposed test rule for hazardous air pollutants, 47 - RCRA Basis for listing - Appendix VII, 48 - RCRA waste, 49 - SDWA - (S)MCLs

International: 50 - Canada - WHMIS Classification of substance, 54 - Mexico - Drinking water - ecological criteria, 55 - Mexico - Wastewater discharges, 56 - US -TSCA Section (12)(b) - export notification

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State Lists: 60 - CA - Proposition 65, 61 - FL - Substances, 62 - MI - Critical materials, 63 - MA - RTK, 64 - MA - Extraordinarily hazardous substances, 65 - MN - Hazardous substances, 66 - PA - RTK, 67 - NJ - RTK, 68 - NJ - Environmental hazardous substances, 69 - NJ - Special hazardous substances

Inventories: 80 - Canada - Domestic substances , 81 - European - EINECS, 82 - Japan - ENCS, 83 - Korea - Existing and evaluated chemical substances, 84 - US - TSCA , 85 - China Inventory

Regulatory Search Results:

BUTYL CELLOSOLVE: 15, 16, 17, 22, 23, 33, 35, 50, 61, 63, 65, 66, 67, 69, 80, 81, 82, 83, 84, 85

METHYL ALCOHOL: 15, 16, 17, 20, 22, 23, 30, 33, 35, 42, 47, 48, 50, 61, 63, 65, 66, 67, 68, 69, 80, 81, 82, 83, 84, 85

WATER: 80, 81, 83, 84, 85

U.S. TSCA Inventory: All components of this material are on the US TSCA Inventory.

SARA Section 313: Consumer products are not regulated under SARA, Title III, Section 313.

IARC: No information available

SARA 311 / 312 Categories

Acute: X **Chronic:** **Fire:** X **Pressure:** **Reactive:**

Not Regulated:

Canadian WHMIS Classification

Class B - Flammable and Combustible Material, Division 3, Combustible Liquid

Class D - Poisonous and infectious material, Division 2B, Toxic Material

European Union Classification

Hazard Symbols:

Harmful / Xn / X in square.

Risk Phrases:

R20/21/22: Harmful by inhalation, in contact with the skin and if swallowed.

R40/20/21/22: Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.

Safety Phrases:

S1/2: Keep locked up and out of the reach of children

Other: No information available

16. OTHER INFORMATION

Health and Environmental Label Language

Front Label:

DANGER: (SKULL AND CROSSBONES SYMBOL). POISON! MAY BE FATAL OR CAUSE BLINDNESS IF SWALLOWED. COMBUSTIBLE.

Read carefully other cautions on back.

Back Label:

DANGER: CONTAINS METHYL ALCOHOL. CANNOT BE MADE NON-POISONOUS.

PRECAUTIONARY MEASURES: Do not drink or inhale. Keep away from heat and open flame. Use only in a well-ventilated area. Do not store in open or unlabeled containers. Avoid contact with eyes. First Aid: Ingestion: If swallowed, give one or two glasses of water. Call physician, hospital emergency room or Poison Control Center immediately. Get prompt medical attention. Eyes: Flush with water for 15 minutes. Get prompt medical attention.

KEEP OUT OF REACH OF CHILDREN.

MSDS Revisions

Previous Version Date: Not applicable, this MSDS is the first version.

Previous Version Information

No information available

Other

No information available

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